

### ABSTRACT OF THE INVENTION

A method and system for marking and guiding the insertion of securing members (e.g., pedicle screws) of a spinal fixation device. In one embodiment, the marking and guidance method and system includes the use of a guide tube configured to be inserted 5 into a patient's back until a first end reaches an entry point on or near a vertebral bone of the patient's spinal column, wherein the guide tube includes a hollow cylindrical channel along its longitudinal center axis; a penetrating device configured to be positioned within the cylindrical channel of the guide tube and having a sharp tip configured to protrude outwardly from the first end of the guide tube so as to allow the first end of the guide tube 10 to penetrate through the patient's back muscle and tissue and reach the vertebral bone at the entry point; a marking pin configured to be inserted through the cylindrical channel of the guide tube, after removal of the penetrating device, until a first end of the marking pin having a sharp tip reaches the entry point; and a pushing device configured to be inserted through the cylindrical channel of the guide tube and provide a driving force at a second 15 end of the marking pin, opposite the first end, so as to drive and secure the first end of the marking pin into the vertebral bone, wherein the marking pin identifies the location of the entry point on the vertebral bone for subsequent implantation of a securing member of a spinal fixation device.